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28 April 1954

MEMORANDUM FOR: PM Staff, [REDACTED] 25X1

SUBJECT : Information on TSS/MD Item, Firing Device, Clockwork, 24 Hr.

REFERENCE : Telephone Request from [REDACTED] on 27 April 1954 25X1

The following has been prepared as information for [REDACTED] use in the write-up for the Firing Device, Clockwork, 24 Hr. for inclusion in the Sabotage Manual: 25X1

CLOCKWORK FIRING DEVICE - 24 Hr.

The main purpose of this device is to fill in the gaps left by the chemical firing devices and where an accurate delay is essential. This device can be set for any time from 15 minutes to 23 3/4 hours with a probable error of + 1.5 minutes. This device can be used to detonate standard Army demolitions charges, dust initiators, all limpets, or be used by itself. This clockwork is relatively insensitive to temperature changes and will perform satisfactorily from -40°F. to 160°F.

It will come packaged in a can complete, ready to use, with instructions. It will have an Army coupling base to which a blasting cap may be crimped and an M-34 Detonator which is used to detonate both the limpet and dust initiator. The operator can, if he wishes, test the unit by firing it into the positive safety. A cocking device is included and the unit can readily be cocked.

The dial is luminous and the device can be set in the dark. When it is used with the limpet, the device although previously set can be armed under water after the limpet has been placed.

The clock itself measures approximately 2 1/2 x 2 1/2 x 1 1/2, weighs 1 1/2 pounds. The packaged unit will measure approximately 3 1/2 inches in diameter x 5 inches high, weight 3 pounds.

[REDACTED] 25X1

[REDACTED]

Chief
Mechanical Division, TSS

TSS/MD [REDACTED]

Distribution:

Orig & 1 - Addressee; 1 - Project File; 1 - MD Chrono

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